

ABSTRACT OF THE DISCLOSURE

A heat sink system and method for a radiographic sensor device includes a heat sink formed of a first material possessing a predetermined thermal conductivity. The heat sink system further includes a thermal channel device formed of a second material possessing a predetermined thermal conductivity. The thermal channel device includes at least one contact portion adapted to contact the radiographic sensor device and an extending member that extends away from the at least one contact portion and contacts the heat sink. The thermal channel device is designed to extend between and substantially contact the heat sink and the radiographic sensor device when the heat sink system is assembled. The thermal channel device conducts heat from the radiographic sensor device to the heat sink.

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